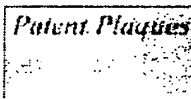


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## JP62217216A2: ELECTRONIC IMAGE PICKUP DEVICE FOR ENDOSCOPE

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Country: **JP Japan**

Kind:

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Applicant(s): **OLYMPUS OPTICAL CO LTD**  
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Issued/Filed Dates: **Sept. 24, 1987 / March 19, 1986**

Application Number: **JP1986000061462**

IPC Class: **G02B 23/24; A61B 1/00; H04N 5/335;**

Abstract: **Purpose:** To observe alternately or simultaneously images based upon light beams with two or more wavelength areas by arranging two or more filters having different characteristics attachably/detachably into/from an optical path.

**Constitution:** A light guide 7 consisting of optical fiber bundle or the like is arranged on the back of an illuminating lens 3 and illuminating light beams irradiate the back end plane of the light guide 7. The illuminating light beams are radiated from a light source lamp 9 to the surface of a rotary filter 8 through a lens 10 and made incident upon the end plane of the light guide 7 through filters for R, G and B alternately arranged on the filter 8 with proper light shielding intervals. In case of observing fluorescence, a color image based upon visual light beams and an image based upon fluorescence can be alternately observed by replacing a filter for cutting out excitation light beams with wavelength  $\lambda$  and a filter for transmitting the excitation light beams and cutting out visual light beams into an optical path on the light source side.

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DERABS G87-309583 DERG87-309583

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